

Bottomless Worksheet of Cramer's Rule (3x3)

Solve each system of equations. (Remember, verify your answers!)

a. $4x + 11y + 14z = 9$, $5x + 7y + 3z = 3$, $6x + 8y - 6z = -11$

b. $3x - 6y - 9z = -5$, $15x + 6y + 17z = 2$, $6x + 2y - 6z = -5$

c. $-10x + 7y + 17z = 10$, $5x - 8y - 15z = -11$, $4x + 3y - 5z = -1$

d. $-4x - 3y - 4z = 5$, $18x + y + 5z = -6$, $-8x - 4y - 8z = -7$

e. $0x + 12y + 10z = 8$, $-4x + 8y - 15z = -8$, $-2x - 5y + 9z = 1$

f. $-2x + 19y - 12z = -6$, $18x + 9y + 12z = 6$, $-13x - 8y - 5z = 13$

g. $-7x - 2y - 6z = 12$, $10x + 0y - 12z = 9$, $8x - 9y + 13z = 5$

h. $x + 0y - 5z = 15$, $-2x + y - 13z = 9$, $-11x + 5y - 10z = 10$

i. $-5x + 14y - 13z = 9$, $10x - 9y + 8z = -8$, $-12x - 2y + 4z = 3$

j. $-4x + 2y - 13z = 12$, $14x + 9y + 7z = -8$, $0x - 7y + 9z = -6$

For more help, try "Cramer's Rule (3x3)", a learning program currently available at
<http://www.college-cram.com>

It offers more details on this topic, including step-by-step instructions for finding the solution.